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# **WPANT30088-S1A**

#### ISM Dual-band Body-mount Antenna



### **Description / Application**

This is a 870 / 915 / 2450 MHz dual-band ISM, miniaturized body-mount antenna. Small size and ease of integration make this an ideal choice for applications where space is a constraint. Standard cable is 1.32mm Micro Co-ax and connector is IPX / Hirose equivalent.

We can assist your engineers to optimize mounting positions for these antennas in your specific application. Please contact <a href="mailto:sales@worldproducts.com">sales@worldproducts.com</a> with your specific application requirements.

Electrical Properties		
Operating Frequency	860 – 960 MHz	2400 – 2500 MHz
Approximate Antenna Impedance $[\Omega]$	50Ω	50Ω
VSWR – Typical	< 2:1	< 2.5:1
Peak Gain [dBi] (Typical)	2.5 dBi	4.5 dBi
Efficiency [%] (Typical)	60%	65%
Polarization	Linear	Linear
Pattern	Near Omni Directional	Near Omni Directional

Mechanical / Environmental Properties		
Antenna Dimensions**	2" X 1.1" X 0.8" (50mm X 27mm X 20mm)	
Antenna Color	Black	
Cable	8.1" long 1.32mm OD Micro Co-ax	
Connector	IPX / Hirose equivalent	
Таре	Standard 3M 4920 double stick	
External Bottom Gasket Material	Standard 3M 6208 foam	
Nut	Nylon M12 with a slit for the cable	
Antenna Plastic Radome	ABS + Polycarbonate	
Operating / Storage Temperature	-40°C to +90°C	
Environmental	Salt Spray Resistant, Water Ingress Resistant, UV Resistant, Ageing Resistant, Meets standards for UL 94V-0	
Hazardous Materials	RoHS Compliant	

<sup>\*\*</sup>Height includes the 3M tape & foam gasket thickness.

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### **Pictures of the Antenna**

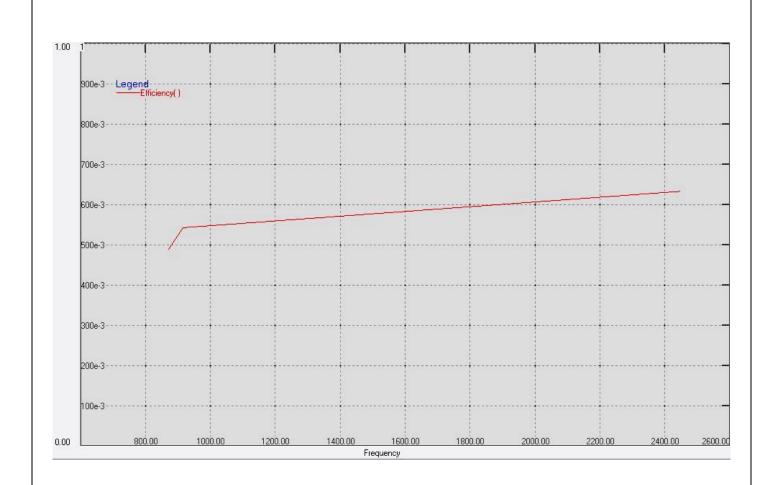


Note: The screw mount has two flat edges on opposite sides.

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## **Antenna Total Radiation Efficiency in % (including VSWR losses)**



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